

generally foreign molecules, they similarly trigger the immune reaction and decrease the effectiveness of the therapy.

**In the Claims:**

Please amend the following claims as shown in the marked-up version of the changes made to the claims and a Clean Set of Claims attached hereto:

22. An antibody characterized by having binding affinity to a sperm cell, wherein a sperm cell bound with the antibody retains the ability to fertilize an oocyte.

24. The antibody in claim 22 wherein the sperm cell is selected from the group consisting of a mouse sperm cell, a bovine sperm cell, a pig sperm cell, a chicken sperm cell, a sheep sperm cell, and a goat sperm cell.

25. The antibody in claim 22 wherein the binding affinity to sperm cells is further characterized by the ability to bind to the sperm cells from a plurality of species of animal.

26. The antibody in claim 22 also exhibiting binding properties to a polynucleotide such that upon fertilization, the polynucleotide is introduced into the oocyte.

A CLEAN SET OF CLAIMS

22. An antibody characterized by having binding affinity to a sperm cell, wherein a sperm cell bound with the antibody retains the ability to fertilize an oocyte.
23. The antibody in claim 22 wherein the sperm cell is a human sperm cell.
24. The antibody in claim 22 wherein the sperm cell is selected from the group consisting of a mouse sperm cell, a bovine sperm cell, a pig sperm cell, a chicken sperm cell, a sheep sperm cell, and a goat sperm cell.
25. The antibody in claim 22 wherein the binding affinity to sperm cells is further characterized by the ability to bind to the sperm cells from a plurality of species of animal.
26. The antibody in claim 22 also exhibiting binding properties to a polynucleotide such that upon fertilization, the polynucleotide is introduced into the oocyte.